

Quasilinear Equations in a Banach Space, by P. Ye. Sobolevskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,
1968, pp 1020-1023. The Am Math Soc Vol 9, No 6, 1968

> 376,894 376,894

Mar 69

Approximation of Dynamic Characteristics in the Class of Generalized Functions, by V. K. Zadiraka.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1024-1027.

The Am Inst Phys.

Vol 13, No 12, June 1969.

Aug 69

390,255

Approximation of the Dynamic Characteristics in a Class of Generalized Functions, by V. K. Zadiraka, V. V. Ivanov, 7 pp. RUSSIAN, per, Doklady Akademii Nank SSSR, Moscow, Vol/83, No 5, 1968, pp 1024-1027.

JPRS 47,451

The Influence of Mass and Aerodynamic Asymmetry of a Body on the Character of its Spatial Motion, by A. A. Shilov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1028-1031. The Am Inst Phys. Vol 13, No 12, June 1969

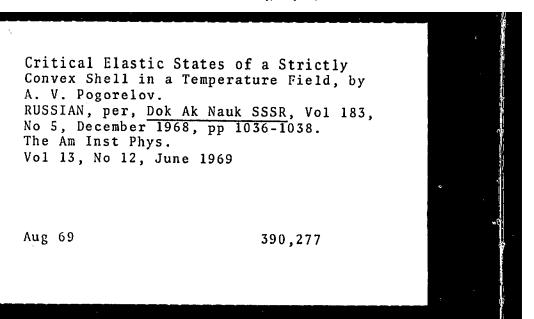
Aug 69

390,258

Determination of the Correlation Between Pulsations of Velocity and Temperature in Turbulent Air Flow in A Tube, by M. Kh. Ibragimov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1032-1035.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

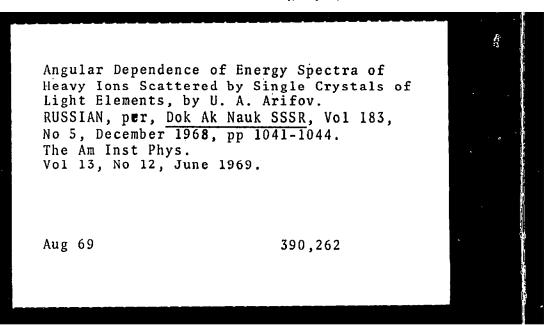
390,256



Holography Withour a Reference Beam for Three-Dimensional Holograms, by V. V. Aristov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1039-1040. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,261



Collective Interactions of Nuclei with Resonance Gamma Radiation, by V. K. Voitovetskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1045-1047.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,263

Peculiarities of the Development of the Electric Breakdown of Air in Extremely Long Discharge Gaps, by G. N. Aleksandrov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1048-1051. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,269

Analysis of Energy Balance in Sliding Friction of Metals, by B. I. Kostetskii. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1052-1055. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,270

Interaction of Neutral Bodies in Potential Fields, by V. I. Nikitenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No 5, Decamber 1968, pp 1056-1059.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,271

Structure of the Sediment Layer in the Sea of Japan
Based on Continuous Profiling by the Reflection
Method, by A. P. Milashin.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,
1968, pp 1060-1063.
AGI

Development of Western Intensification of Ocean Currents: A Numerical Experiment, by N. B. Shapiro. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, 1968, pp 1064-1067.

Sept 69

391,426

Absorption, Luminescence, and Induced Emission of LiNbO<sub>3</sub>-Nd Crystals, by L. I. Ivleva.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1068-1071.
The Am Inst Phys Vol 13, No 12, June 1969

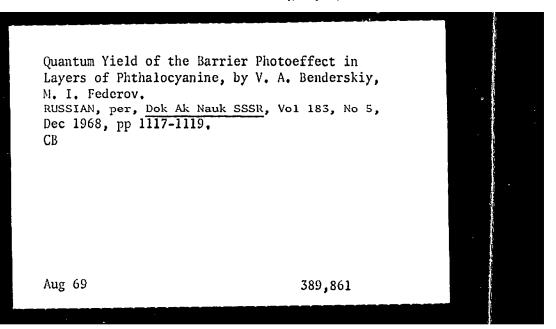
Aug 69

390,248

Crystal Structure of the Y-Oxysilicate Y<sub>2</sub>(SiO<sub>4</sub>)O, by B. A. Maksimov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, December 1968, pp 1072-1075. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,249



Investigation of the Adsorption of Oxygen on Porous Gold Using the Method of Adsorption Calorimetry, by N. N. Dobrovol'skiy, V. Ye. Ostrovskiy. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, Dec 1968, pp 1120-1122.
CB

TTC 72-11451-079

Aug 69

389,862

Alteration in the Infrared Absorption Spectrum of a Dilute Solution of H<sub>2</sub>O in D<sub>2</sub>O After Passing Through a Magnetic Field, by V. I. Klassen, G. V. Zhilenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, Dec 1968, pp 1123-1126.

CB

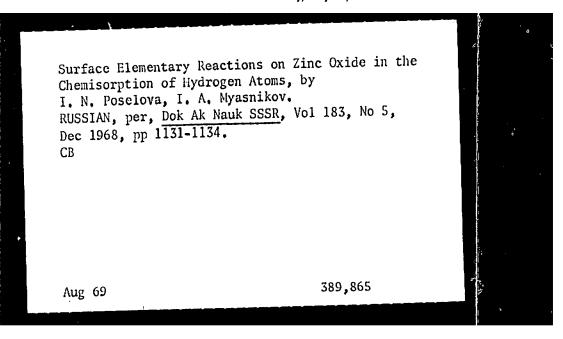
Aug 69

389,863

Study of the Reaction of Acetylene with a
Surface at High Temperature Using Mossbauer
Spectroscopy, by Yu. V. Maksimov, I. P. Suzdalev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,
Dec 1968, pp 1127-1130.
CB

Aug 69

389,864

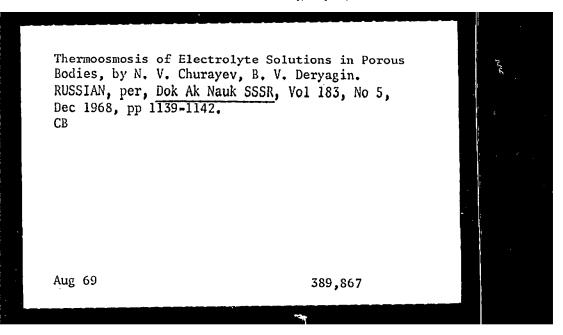


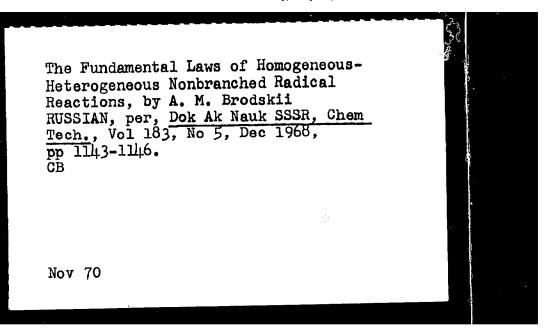
Influence of the Radioactive Radiation of S<sup>35</sup> on the Stability of an Fe-Phthalocyanine/BaSO<sub>4</sub> Catalyst in the Decomposition of Hydrogen Peroxide, by Vikt. I. Spitsyn, N. P. Dobrosel'skaya. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, Dec 1968, pp 1135-1138.

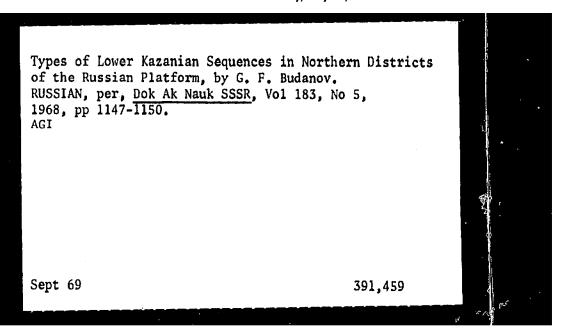
CB

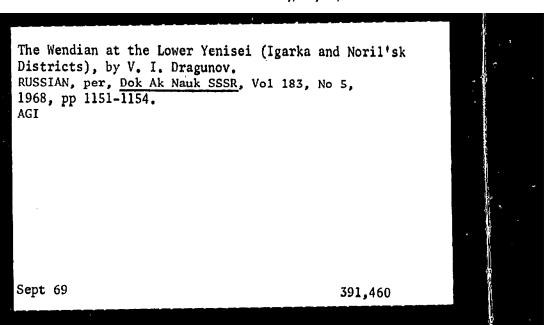
Aug 69

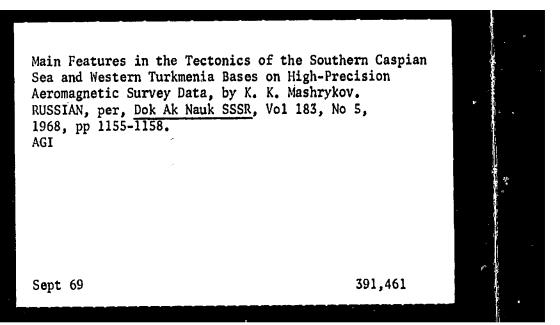
389,866











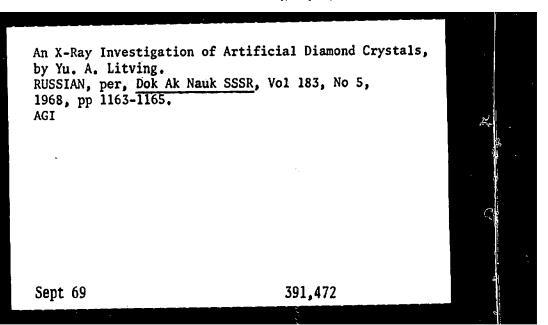
Trial Analysis of Regional Geophysical Survey Data by Methods of Discrete Mathematics for Geotectonic Zoning of the Crust and Determination of Zone Types, by Ye. Ye. Fotiadi.

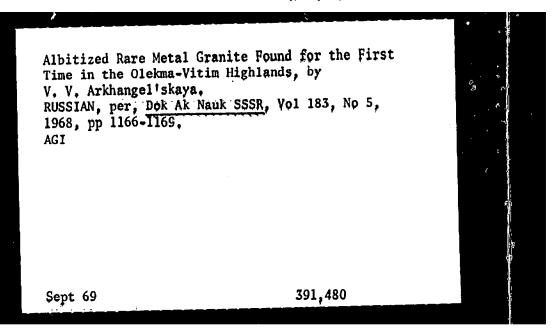
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, 1968, pp 1159-1162.

AGI

Sept 69

391, 462





Study of Sulfo-Arsenide Mineralization at the Dashkesan Deposit, by M. A. Kashkay.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, 1968, pp 1170-1173.
AGI

The Amphibole-Hornfels Facies, by V. V. Reverdatto. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, 1968, pp 1174-1177.

Sept 69

391,48,2

Isotopic Composition of Carbon From Coal and its
Bituminoids, by V. S. Vyshemirskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,
1968, pp 1178-1180.
AGI

An Estimate of the Redox Potentials of Rocks, by
A. Kurdyukov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,
1968, pp 1181-1183.
AGI

Activation Energy and Chemical Composition of Pyrite as a Function of its Mode of Synthesis, by A, D. Radcheyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5, 1968, pp 1184-1187.

AGI

More Information About the Amount of Primary production of the Ocean, by O. I. Koblents-Mishke.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 5,

1968, pp 1189-11-92.

AGI

AGI

AGI

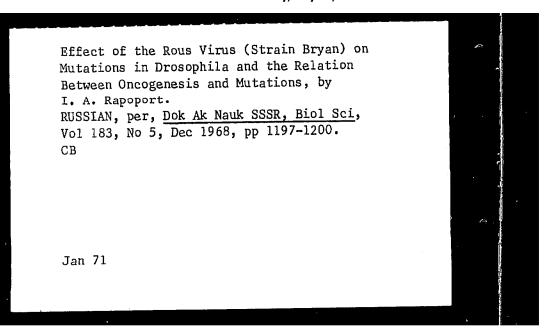
AGI

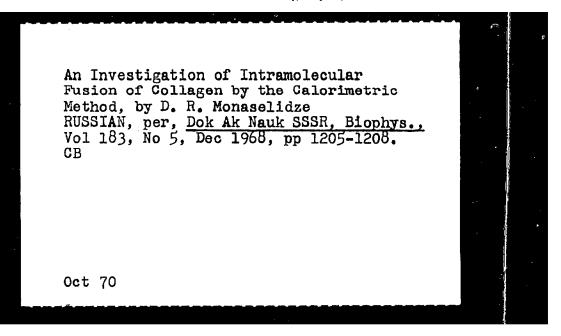
393,152

Existence of Forms of Native Protein With Different Degrees of Radical Mobility, by S. V. Konev RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 183, No 5, Dec 1968, pp 1201-1204. CB

Oct 70

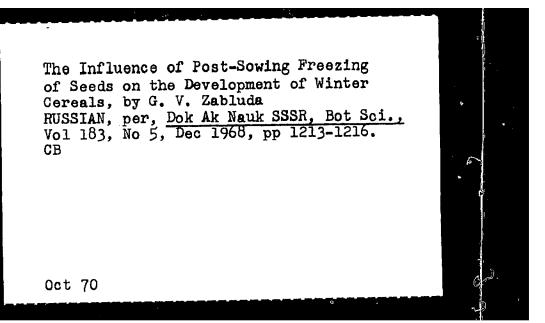
The Ontogenesis of the Medial Neurosecretory Cells of Insects and the DNA-Contents of Their Nuclei, by A. A. Panov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci,
Vol 183, No 5, Dec 1968, pp 1193-1196.
CB

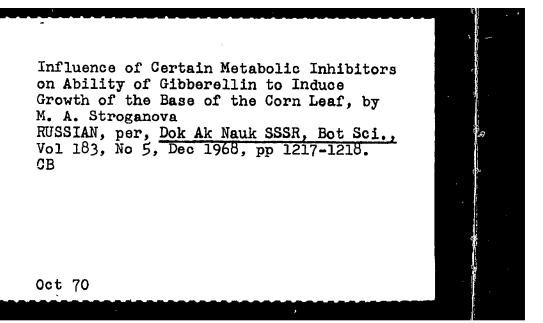




An Exact Solution of the Problem of Cell Multiplication in the Presence of a Mutagenic Factor, by K. B. Tolpygo RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 183, No 5, Dec 1968, pp 1209-1212. CB

Oct 70

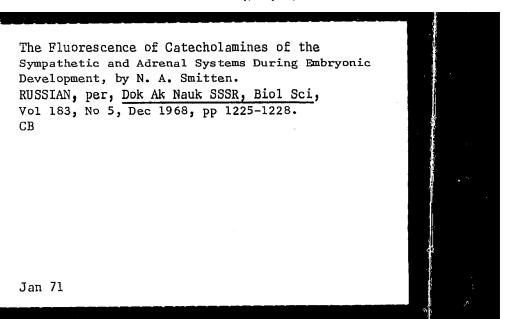


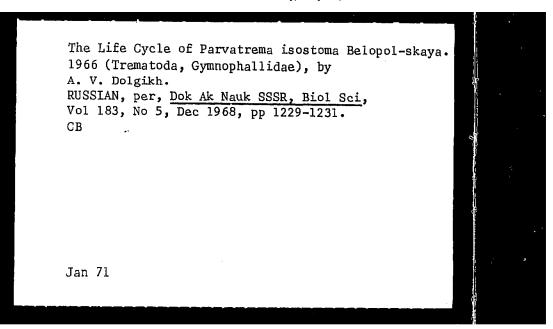


Dissipation Entropy of a Leaf System as a Measure of Loss of Assimilates in the Light, by R. I. Florov RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 183, No 5, Dec 1968, pp 1219-1220. CB

Oct 70

The Effect on Postconvulsive Depression of the Stimulation of Some Cerebral Structures, by T. N. Oniani.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci, Vol 183, No 5, Dec 1968, pp 1221-1224.
CB

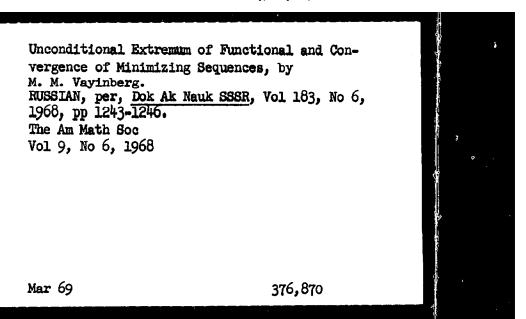




Classes of Correct Solvability of a Boundary
Problem in an Infinite Layer, by V. M. Borok.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6,
1968, pp 1239-1242.
The Am Math Soc
Vol 9, No 6, 1968

Mar 69

376,895



Realization of Whitehead Torsion and Discriminats of Bilinear Forms, by V. L. Golo.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1247-1249.
The Am Math Soc Vol 9, No 6, 1968

Necessary and Sufficient Conditions for a Given Sequence to be Minimizing, by Ye, S. Levitan. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1250-1253.

The Am Math Soc Vol 9, No 6, 1968

Some Cases Where Fourier Sums Gice the Best Order of Approximation, by G. I. Natanson. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1254-1257.

The Am Math Soc Vol 9, No 6, 1968

Mar 69

*316,813* **376,873** 

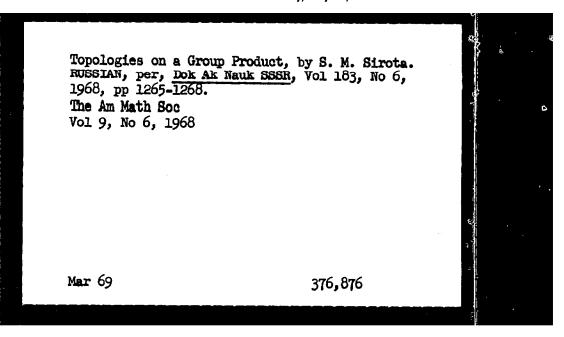
Topological Equivalents of the Branching Hypothesis, by I. I. Parovicenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1258-1261.
The Am Math Soc Vol 9, No 6, 1968

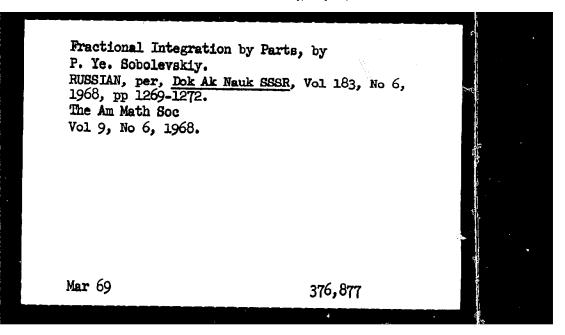
Mar 69

376,874

Recursive Subsets of Sets of Recursive Functions, by Ye. A. Poljakov. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1262-1264. The Am Math Soc Vol 9, No 6, 1968 Mar 69

376,875

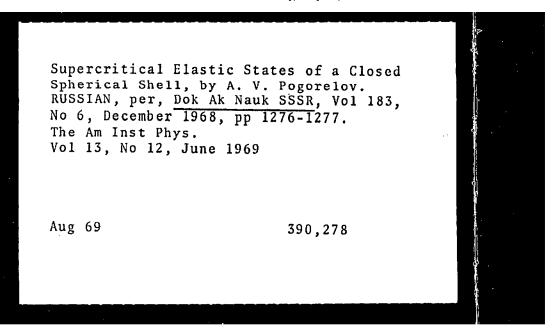


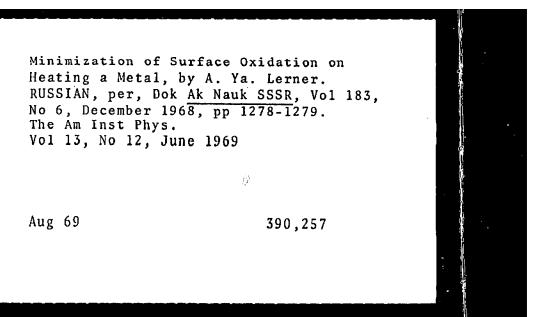


Analytical Properties of a Positively Directed Sympletic Curve in the Neighborhood of a Branching Point of its Spectrum, by P. A. Svarcman.
RUBSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1273-1275.
The Am Math Soc Vol 9, No 6, 1968

Mar 69

376,878





Transient Period of Equilibrium
Concentration of Vacancies, by
B. S. Bokshtein.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No 6, Devember 1968, pp 1280-1282.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,264

Time of Establishment of Equilibrium Concentration of Vacancies, by B. S. Bokstein.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, pp 1280-1282.

\*\*AFURL\*

Sci/Chem
Ney 69

Nuclear Magnetic Resonance in Magnetic Thin Films of Co<sup>59</sup>, by L. V. Kirenskii. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, December 1968, pp 1283-1284. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,265

Theory of Transport Phenomena in Dense Media, by A. D. Khon'kin.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No 6, December 1968, pp 1285-1288.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,266

Experiments With an Explosive-Magnetic Generator in Laboratory Conditions, by E. I. Bichenkov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, November-Pecember 1968, pp 1289-1291. The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,272

The Effect of Electric Current on Cavitation Erosion and the Submicrostructure of Metal, by A. F. Derendovskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No 6, December 1968, pp 1292-1294.
The Am Inst Phys.
Vol 13, No 12, June 1969

Magnetization of Polycrystalline Dysprosium at Liquid Helium Temperatures, by B. G. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, December 1968, pp 1295-1296.
The Am Inst Phys.
Vol 13, No 12, June 1969

Aug 69

390,274

Activation Energy of Mechanical Destruction of Polymers, by S. B. Ratner.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No 6, December 1968, pp 1297-1300.
The Am Inst Phys
Vol 13, No 12, June 1969

Aug 69

390,275

Kinetics of Diffusion Growth of the V<sub>3</sub>Ga Phase in the V--Ga System, by N. P. Sazhin. RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, December 1968, pp 1301-1303. The Am Inst Phys. Vol 13, No 12, June 1969

Aug 69

390,276

Structure of the Temperature Field at the Ocean Surface, by V. I. Ivanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1304-1307.

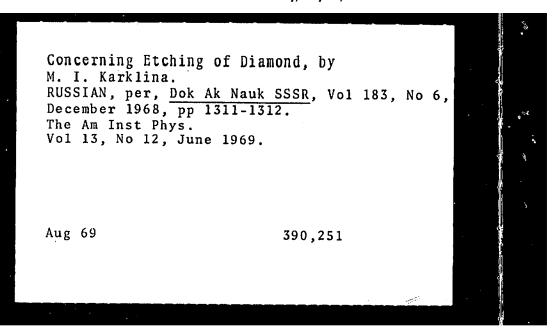
AGI

PRS 47, 421

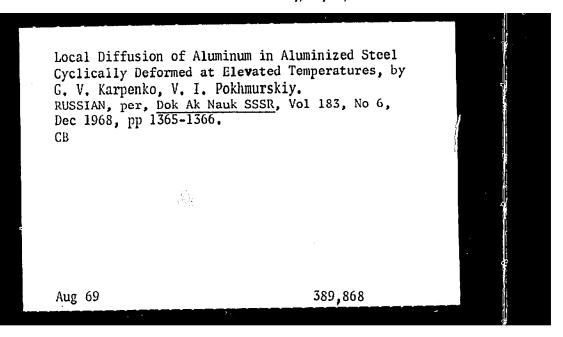
Toward a Theory of Growth of Crystallography
Faces by the Polynuclear Mechanism, by
L. A. Borovinskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6,
December 1968, pp 1308-1310.
The Am Inst Phys.
Vol 13, No 12, June 1969.

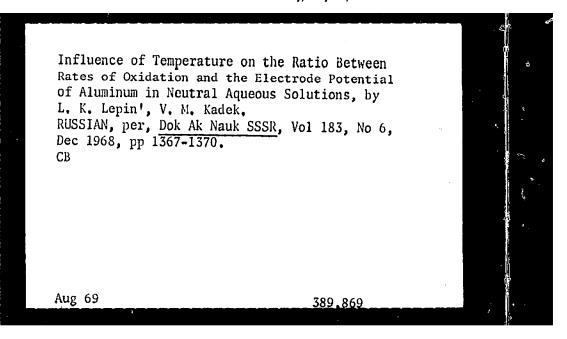
Aug 69

390,250



Hydrothermal Synthesis of the Tungstates
Li<sub>2</sub>Fe(WO<sub>4</sub>)<sub>2</sub> and Li<sub>2</sub>WO<sub>4</sub> and Their
Thermographic and X-Ray Investigation, by
P. V. Klevtsov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183,
No. 6, December 1968, pp 1313-1316.
The Am Inst Phys.
Vol 13, No 12, June 1969.

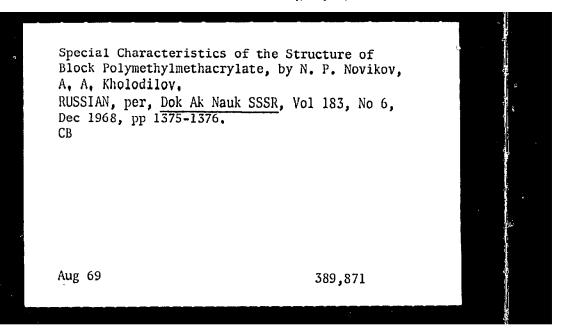


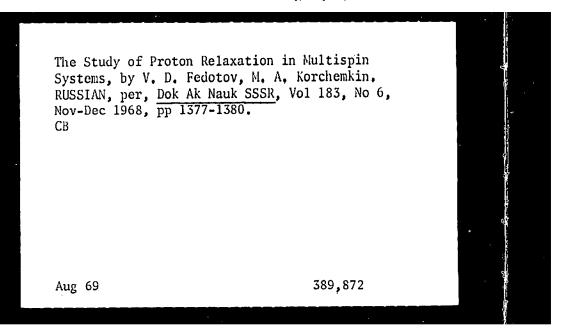


The Effect of Anhydrous Solvents on the Volt-Ampere Characteristics of a Membranous Nonlinear Cell, by V. N. Maslov, Yu. Z. Zotov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, Dec 1968, pp 1371-1374.
CB

Aug 69

389,870





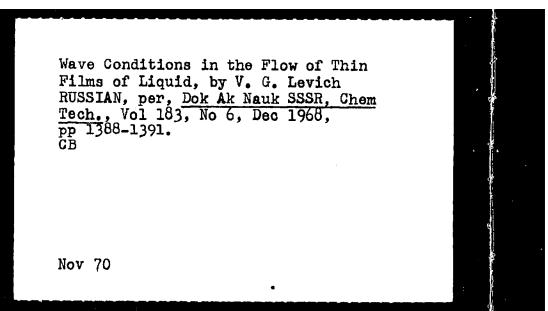
Effect of Binary Eutectic Melt on the Strength and Ductility of a Lower-Melting Metal, by Ye. D. Shchukin, Z. M. Polukarova.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, Dec 1968, pp 1381-1384.
CB

Aug 69

389,873

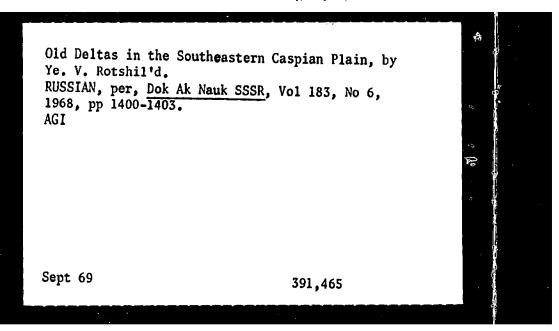
Effect of Alkalis on the Supersaturation Kinetics of the Liquid Phase During the Hardening of Portland Cement, by I. I. Kurbatova RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 183, No 6, Dec 1968, pp 1385-1387.

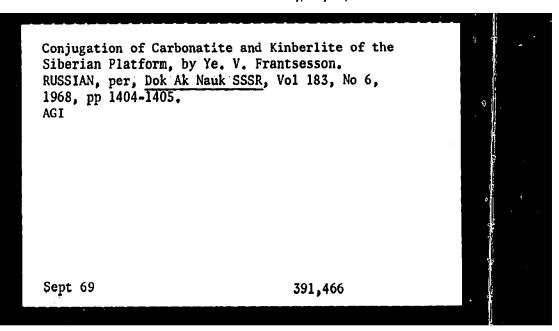
Nov 70

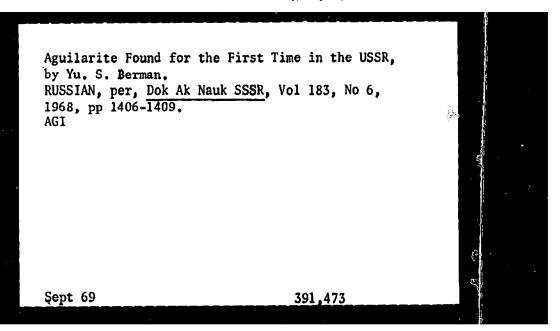


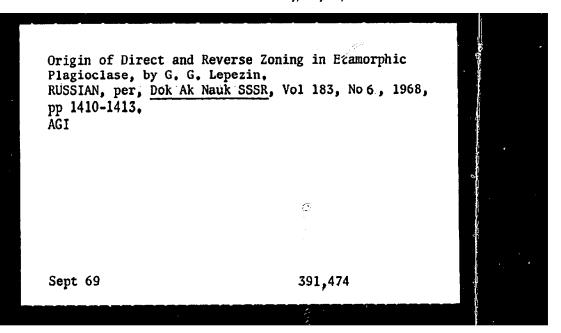
One Feature of the Vertical Distribution of Giant
Oil and Gas Pools in the Sedimentary Cover of
Western Siberia, by Yu. N. Karogodin.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6,
1968, pp 1393-1395
AGI
NTC 72-60239-08 I

Albian-Cenomanian Boundary in the Western Black Sea
Region, by L. F. Plotnikova.
RUSSIAN, per; Dok Ak Nauk SSSR, Vol 183, No 6,
1968, pp 1396-1399.
AGI









Mitridatite Found for the First Time in Pegmatite in the USSR, by G. N. Tarnovskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1414-1416.

AGI

Sept 69

391,475

Possible Thermal Metamorphism of Coal Measures of the Listvyanka Field, Gorlovsk Basin, by V. V. Vorontsov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1417-1420.
AGI

Sept 69

391,483

Hydrogeochemical Processes Now Active at the Gaudrak Sulfur Deposit, by G. A. Belenitskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1421-1423.
AGI

Calculation of the Composition of the Earth's Deep Zones, by Yu. G. Shcherbakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1424-1426.
AGI

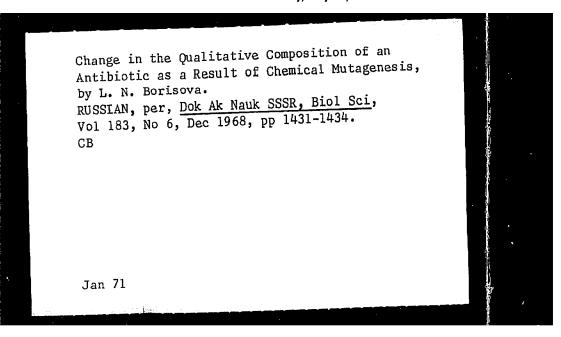
A New Genus of Late Cambrian Mollusks of the Class Monoplacophora (Southern Part of the Siberian Platform), by S. N. Rozov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 183, No 6, 1968, pp 1427-1430.
AGI

Sept 69

393,149

Qualitative Changes on the Composition of Antibiotics as a Result of Chemical Mutagenesis, by L. N. Borisova, et al. RUSSIAN, per, <u>Dok Ak Nauk SSSR</u>, Vol 183, No 6, 1968, pp 1431-1434, ATS RJ-54-56

Sci-B&M June 70



Bifunctional Reversible Inhibitors of Proteolytic Enzymes, Reaction of &-Chymotrypsin with Hexylboric Acid, by V. K. Antonov. RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 183, No 6, 1968 Dec, pp 1435-1438.

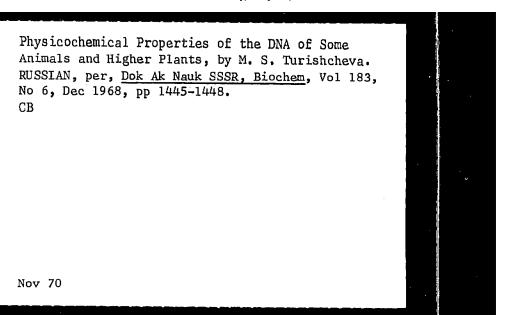
CB

Nov 70

Reversible Gelation of Muscle Proteins in Vitro and the Relation of This Phenomenon To That of Post-Contractional Tonus, by I. I. Ivanov. RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 183, No 6, Dec 1968, pp 1439-1440.

CB

Role of Oxygen in Chlorophyll-Photosensitized
Reduction of Methylviologen and Other Dyes,
by A. A. Krasnovskiy.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 183,
No 6, Dec 1968, pp 1441-1444.
CB



Measurement and Magnitude of the Isotope Effect in Photosynthesis, by O. D. Bykov. RUSSIAN, per, Doklady AN SSSR, Vol 183, No 6, 1968, pp 1449-1451. FTD HT Special 49-70

mar 70

404,426